# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF120718\
Data File : BF111205.D
Acq On : 8 Dec 2018 00:06
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Dec 08 03:11:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 05 17:30:55 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 2 | | 1,4-Dioxane | 0.737 | 0.738 | -0.1 | 87 | -0.04 |
| 3 | | Pyridine | 1.635 | 1.635 | 0.0 | 86 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.805 | 0.733 | 8.9 | 78 | -0.03 |
| 5 | S | 2-Fluorophenol | 1.282 | 1.176 | 8.3 | 81 | 0.00 |
| 6 | | Aniline | 2.206 | 2.071 | 6.1 | 81 | 0.00 |
| 7 | S | Phenol-d6 | 1.651 | 1.537 | 6.9 | 81 | 0.00 |
| 8 | | 2-Chlorophenol | 1.477 | 1.491 | -0.9 | 87 | 0.00 |
| 9 | | Benzaldehyde | 0.914 | 0.962 | -5.3 | 90 | 0.00 |
| 10 | C | Phenol | 1.800 | 1.863 | -3.5 | 92 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.471 | 1.507 | -2.4 | 89 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.571 | 1.562 | 0.6 | 88 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.581 | 1.541 | 2.5 | 85 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.471 | 1.402 | 4.7 | 83 | 0.00 |
| 15 | | Benzyl Alcohol | 1.308 | 1.234 | 5.7 | 81 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.862 | 2.638 | 7.8 | 79 | 0.00 |
| 17 | | 2-Methylphenol | 1.213 | 1.147 | 5.4 | 82 | 0.00 |
| 18 | | Hexachloroethane | 0.593 | 0.566 | 4.6 | 81 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.110 | 1.058 | 4.7 | 84 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.479 | 1.390 | 6.0 | 82 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 22 | | Acetophenone | 0.483 | 0.499 | -3.3 | 83 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.338 | 0.383 | -13.3 | 86 | 0.00 |
| 24 | | Nitrobenzene | 0.363 | 0.418 | -15.2 | 87 | 0.00 |
| 25 | | Isophorone | 0.620 | 0.615 | 0.8 | 78 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.154 | 0.192 | -24.7# | 90 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.289 | 0.295 | -2.1 | 81 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.420 | 0.424 | -1.0 | 79 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.285 | 0.296 | -3.9 | 80 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.287 | 0.293 | -2.1 | 80 | 0.00 |
| 31 | | Naphthalene | 0.871 | 0.895 | -2.8 | 79 | 0.00 |
| 32 | | Benzoic acid | 0.191 | 0.242 | -26.7# | 90 | 0.00 |
| 33 | | 4-Chloroaniline | 0.421 | 0.415 | 1.4 | 76 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.156 | 0.178 | -14.1 | 88 | 0.00 |
| 35 | | Caprolactam | 0.105 | 0.112 | -6.7 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.312 | 0.359 | -15.1 | 88 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.601 | 0.676 | -12.5 | 88 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.577 | 0.654 | -13.3 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.533 | 0.573 | -7.5 | 93 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.281 | 0.179 | 36.3# | 52 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.159 | 0.141 | 11.3 | 74 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.389 | 0.419 | -7.7 | 90 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.395 | 0.427 | -8.1 | 90 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF120718\
Data File : BF111205.D
Acq On : 8 Dec 2018 00:06
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Dec 08 03:11:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 05 17:30:55 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.190 | 1.185 | 0.4 | 89 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.637 | 1.683 | -2.8 | 89 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.272 | 1.339 | -5.3 | 91 | 0.00 |
| 48 | | 2-Nitroaniline | 0.412 | 0.468 | -13.6 | 93 | 0.00 |
| 49 | | Acenaphthylene | 1.778 | 1.884 | -6.0 | 88 | 0.00 |
| 50 | | Dimethylphthalate | 1.392 | 1.482 | -6.5 | 91 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.295 | 0.351 | -19.0 | 95 | 0.00 |
| 52 | C | Acenaphthene | 1.175 | 1.101 | 6.3 | 82 | 0.00 |
| 53 | | 3-Nitroaniline | 0.371 | 0.402 | -8.4 | 87 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.080 | 0.053 | 33.8# | 55 | 0.00 |
| 55 | | Dibenzofuran | 1.618 | 1.512 | 6.6 | 78 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.279 | 0.265 | 5.0 | 75 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.381 | 0.404 | -6.0 | 87 | 0.00 |
| 58 | | Fluorene | 1.141 | 0.970 | 15.0 | 71 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.295 | 0.287 | 2.7 | 79 | 0.00 |
| 60 | | Diethylphthalate | 1.391 | 1.209 | 13.1 | 74 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.562 | 0.491 | 12.6 | 73 | 0.00 |
| 62 | | 4-Nitroaniline | 0.335 | 0.288 | 14.0 | 70 | 0.00 |
| 63 | | Azobenzene | 1.481 | 1.214 | 18.0 | 70 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 67 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.083 | 0.065 | 21.7 | 52 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.700 | 0.731 | -4.4 | 71 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.212 | 0.229 | -8.0 | 74 | 0.00 |
| 68 | | Hexachlorobenzene | 0.216 | 0.230 | -6.5 | 73 | 0.00 |
| 69 | | Atrazine | 0.186 | 0.198 | -6.5 | 74 | 0.00 |
| 70 | C | Pentachlorophenol | 0.142 | 0.142 | 0.0 | 64 | 0.00 |
| 71 | | Phenanthrene | 0.962 | 1.018 | -5.8 | 70 | 0.00 |
| 72 | | Anthracene | 0.970 | 1.010 | -4.1 | 69 | 0.00 |
| 73 | | Carbazole | 1.009 | 1.000 | 0.9 | 66 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.181 | 1.287 | -9.0 | 74 | 0.00 |
| 75 | C | Fluoranthene | 0.941 | 1.039 | -10.4 | 72 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 81 | 0.01 |
| 77 | | Benzidine | 0.667 | 0.587 | 12.0 | 86 | 0.00 |
| 78 | | Pyrene | 1.558 | 1.443 | 7.4 | 75 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.977 | 0.906 | 7.3 | 78 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.753 | 0.718 | 4.6 | 73 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.172 | 1.132 | 3.4 | 77 | 0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.442 | 0.463 | -4.8 | 81 | 0.00 |
| 83 | | Chrysene | 1.163 | 1.144 | 1.6 | 79 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.909 | 0.877 | 3.5 | 74 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.429 | 1.347 | 5.7 | 74 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 0.934 | 0.933 | 0.1 | 82 | 0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 85 | 0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF120718\
Data File : BF111205.D
Acq On : 8 Dec 2018 00:06
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Dec 08 03:11:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 05 17:30:55 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.133 | 1.138 | -0.4 | 84 | 0.01 |
| 89 | Benzo(k)fluoranthene | 1.096 | 1.032 | 5.8 | 81 | 0.01 |
| 90 C | Benzo(a)pyrene | 1.040 | 1.031 | 0.9 | 84 | 0.02 |
| 91 | Dibenzo(a,h)anthracene | 0.872 | 0.887 | -1.7 | 85 | 0.02 |
| 92 | Benzo(g,h,i)perylene | 0.877 | 0.799 | 8.9 | 76 | 0.02 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1